

chiefly of Arizona
Plants collected, by W. W. Jones.

Received at Gray Herbarium May, 1921. Determin. by J. F. Macbride.

- 24. *Anemopsis californica* Nutt.
- 96. *Antirrhinum antirrhiniflora* (Willd.) Hitch.
- 90. *Datura meteloides* DC.
- 91. *Physalis Fendleri* Gray.
- 92. *Margaranthus solanaceus* Schlecht.
- 93. *Physalis Wrightii* Gray.
- 94. *Pentstemon stenosepalus* (Gray) Howell?
- 9. *Pentstemon Palmeri* Gray.
- 89. *Oxybaphus linearifolius* Wats.
- 88. *Pectocarya linearis* (R. & P.) DC.
- 87. *Linum rigidum* Pursh, var. *puberulum* Engelm.
- 84. *Xanthium spinosum* L.
- 75. *Lycium pallidum* Miers.
- 15. *Verbena Gooddingii* Briq.?
- 82. *Larrea glutinosa* Engelm.
- 81. *Kallstroemia brachystylis* Vail.
- 80. " *grandiflora* Torr.
- 197. " " " " .
- 25. *Tribulus terrestris* L.
- 181. *Asclepias Linaria* Cav.
- 185. *Verbena Wrightii* Gray?
- 191. *Eryngium Wrightii* Gray? Immature.
- 210. *Eurotia lanata* (Pursh) Moq.
- 30 or 31. *Linum Lewisii* Pursh.
- 40 or 41. " *rigidum* Pursh, var. *puberulum* Engelm.
- 45. *Pinus edulis* Engelm.
- 28. *Plantago fastigiata* Morris.

106. *Eremocarya micrantha* (Torr.) Greene.
102. *Aquilegia chrysantha* Gray.
101. *Anemone sphenophylla* Poepp.
98, 100. *Rhamnus californica* Eschl., var. *tomentella* (Benth.) Brewer
& Wats.
70. *Condalea lycioides* Weber, var. *canescens* Gray.
105. *Eriogonum reniforme* Torr. & Frem.
104. " *trichopodium* Torr.
107. *Verbena Gooddingii* Briq.
108. *Phlox Stansburyi* (Torr.) Heller.
109. *Gilia virgata* (Benth.) Steud.
29. " *aurea* Nutt., forma *laeta* Brand.
13, 110. " *longiflora* (Torr.) G. Don.
111. " *inconspicua* (Smith) Dougl.
33 or 34. *Cowania Stansburiana* Torr.
18, 97. *Fallugia paradoxa* (G. Don) Endl.
114. *Oenothera primiveris* Gray.
1. *Oenothera albicaulis* Nutt.
33 or 34. *Oenothera caespitosa* Nutt.
49. *Gaura coccinea* Nutt.
37. *Wedeliella incarnata* (L.) Cockerell.
65, 121. *Prosopis pubescens* Benth.
112. *Argemone intermedia* Sweet.
76. *Prosopis velutina* Wooton?
120. *Acacia Greggii* Gray.
51. " *constricta* Benth., var. *paucispina* Woot. & Standl.
71. *Mimosa biuncifera* Benth.
122. *Desmanthus Jamesii* T. & G.
123. *Hoffmannseggia drepanocarpa* Gray.
119. *Colochortus Nuttallii* T. & G.

35. *Yucca elata* Engelm.?
3. *Nolina microcarpa* Wats.
144. *Chaenactis Fremonti* Gray.
177. *Asclepias galioides* H.B.K.
176. " " " " ".
21. *Asclepiodora decumbens* (Nutt.) Gray.
68. *Funastrum cynanchoides* (Dcne.) Schltr.
175. " *crispum* (Benth.) Schltr.
118. *Sphaeralcea Fendleri* Gray?
116. *Abutilon incanum* (Link) Sweet.
117. *Anoda triangularis* DC.
113. *Gaura glabra* Lehm.
61. " " " .
2. *Cucurbita foetidissima* H.B.K.
59. *Croton texensis* (Klotzsch) Muell.
53. *Euphorbia arkansana* Engelm. & Gray, var. *atrosemina* Norton.
138. *Coldenia Palmeri* Gray.
136. *Euphorbia platysperma* Engelm.
134. *Tragia ramosa* Torr.
131. *Hedeoma nana* (Torr.) Greene.
132. *Salvia lanceaefolia* Poir.
52. *Scutellaria lateriflora* L. ?
16. *Phacelia crenulata* Torr., var. *ambigua* (Jones) Macbr. form.
26. *Lupinus Kingii* Wats.
130. *Lotus humistratus* Greene.
129. *Vicia exigua* Nutt.
126. *Lotus Wrightii* (Gray) Greene.
38. *Cassia bauhinioides* Gray, var. *arizonica* Robinson.
42. *Astragalus allochrous* Gray.
8. " *oophorus* Wats.

124. *Astragalus Fremontii* T. & G.
 43. " ----- Too young.
 123. " ----- " " .
 125. " *Greenei* Gray. ?
 212. *Erigeron canadensis* L.
 204. *Zinnia grandiflora* Nutt.
 202. *Lepidium Thurberi* Wooton.
 201. *Setaria composita* H.B.K.
 200. *Croton texensis* (Klotzsch) Muell.
 199. *Eriogonum abertianum* Torr., var. *neomexicanum* Gandog.
 193. *Sapindus Drummondii* Hook. & Arn.
 190. *Erigeron divergens* T. & G.
 189. *Stachys coccinea* Jacq.
 40 or 41. *Linum rigidum* Pursh, var. *puberulum* Engelm.
 30 or 31. " *Lewisii* Pursh.
 178. *Mirabilis Wrightiana* Gray. ?
 174. *Berberis trifoliata* Moric.
 173. *Chilopsis linearis* (Cav.) Sweet.
 172. *Heliotropium currasavicum* L., var. *xerophilum* (Ckll.) Nels. & Macbr.
 169. *Cleomella obtusifolia* Torr. & Frem.
 167. *Gilia inconspicua* (Smith) Dougl. form.
 166. " " " " " .
 54. *Atriplex canescens* (Pursh) Nutt.
 47 or 48. *Erigeron divergens* T. & G.
 140. *Oenothera gauriflora* T. & G.
 139. *Lesquerella* ----- Too immature.
 ✓164. *Aster ericaefolius* Rothrock.
 163. *Aplopappus gracilis* (Nutt.) Gray.
 162. *Aster tanacetifolius* H.B.K.
 161. *Baccharis glutinosa* Pers.

160. *Coreopsis cardaminaefolis* (DC.) T. & G.
158. *Gaillardia pinnatifida* Torr.
40 or 41. *Gaillardia pinnatifida* Torr.
198. *Pectis prostrata* Cav.
155. *Layia glandulosa* H. & A.
157. *Ambrosia artemisiaefolia* L. ?
159. *Hymenothrix Wrightii* Gray.
56. *Helianthella* ?
154. *Hymenocloa monogyra* T. & G.
153. *Baccharis pteronioides* DC.
150. *Heterothera subaxillaris* (Lam.) Brit. & Rusby.
149. *Cirsium arizonicum* (Gray) Petrak.
27. *Townsendia arizonica* Gray.
55. *Aster spinosus* Benth.
148. *Baccharis* ----- ? Too young.
147. *Stephanomeria pauciflora* Torr.
146. *Zinnia grandiflora* Nutt.
145. *Baileya multiradiata* Harv. & Gray.
143. *Malacothrix sonchioides* (Nutt.) T. & G.
78. *Solidago occidentalis* (Nutt.) T. & G. ?
128. *Krameria parvifolia* Benth., var. *imparata* Macbr.
152. *Brickellia californica* (T. & G.) Gray.
151. *Perezia Wrightii* Gray.
7. *Mentzelia multiflora* (Nutt.) Gray.
99. A sp. of *Rhus*? Material too meager.
103. *Claytonia virginica* L. ? Western form?
86. *Acalypha neomexicana* Muell.
180. *Brickellia floribunda* Greene.
183. A legume too immature for determination.
209. *Flourensia cernua* DC.

206. Material of this Composit inadequate.
195. *Martynia Louisiana* Mill.
156. *Ambrosia trifida* L.
142. *Ipomaea hirsutula* Jacq. f.
5. " ----- Possibly a new species.
- 47 or 48. *Evolvulus sericeus* Swartz.
188. *Evolvulus arizonicus* Gray.
- 187, 211. *Bouvardia glaberrima* Engelm. Corolla tube glabrous within.
133. *Triodia pilosa* (Buckl.) Merrill.
44. *Festuca octoflora* Walt.
135. *Cyperus* -----.
- 170, 171. *Opuntia* ----- Material inadequate for determination
as species numerous and closely related.
194. *Mirabilis Wrightiana* Gray.
179. *Boerhavia viscosa* Lag. & Rodr.
205. *Sida hastata* St. Hil.
192. *Crotalaria pumila* Orteg.
- 186, 184. *Trichostema arizonica* Gray.
95. *Pentstemon* ----- Apparently an undescribed species that may,
however, await a revision of the family now in preparation by
Pennell.
141. *Cuscuta indecora* Choisy, var. *neuropetala* (Choisy) Hitchc.
207. *Viguiera annua* (Jones) Blake.
208. *Hymenothrix Wislizeni* Gray.
202. *Jatropha macrorrhiza* Benth.
83. *Petunia parviflora* Juss.
182. *Dasyilirion Wheeleri* Wats.
165. *Atriplex Thornberi* (Jones) Standley.
168. *Cleome lutea* Hook., var. *Jonesii*, var. nov. Differs from the typi-
cal form in the longer pods and longer filaments. The flowers
also appear to be brighter yellow.

85. Ericaceae ----- Material inadequate.
46. Leguminosae ----- " " .
127. Psoralea tenuiflora Pursh, var. obtusiloba Wats.